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APPLICATION NO.	FILIN	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542,600	08/0	77/2006	Benny Pesach	227/04636	7281
44909 PRTSI	7590	08/13/2008		EXAMINER	
P.O. Box 16446				BERHANU, ETSUB D	
Arlington, VA 22215				ART UNIT	PAPER NUMBER
				3768	
				MAIL DATE	DELIVERY MODE
				08/13/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)	Applicant(s)			
10/542,600	PESACH ET AL.				
Examiner	Art Unit				
ETSUB D. BERHANU	3768				

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply

WHIC - Exter after - If NO - Failur Any r	ORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, HEVER IS LONGER, FROM THE MALLING DATE OF THIS COMMUNICATION. sixtness of times may be available under the provisions of 37 CFR 1.138(a). In no event, however, may reply be timely filed sixtness of times may be available under the provisions of 37 CFR 1.138(a) in no event, however, may a reply be timely filed period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTIST from the mailing date of this communication, even reply within the set or extended period for reply will by statute, cause the application to become ABANDCNED (SU.S.C. § 133), eply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any digenter term adjustmens. See 37 CFR 1.704(b).
Status	
1)	Responsive to communication(s) filed on
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.
Dispositi	on of Claims
4)🛛	Claim(s) 1-62 is/are pending in the application.
	4a) Of the above claim(s) is/are withdrawn from consideration.
5)	Claim(s) is/are allowed.
6)⊠	Claim(s) <u>1-62</u> is/are rejected.
	Claim(s) is/are objected to.
8)□	Claim(s) are subject to restriction and/or election requirement.
Applicati	on Papers
9)□	The specification is objected to by the Examiner.
10)🛛	The drawing(s) filed on 12 July 2005 is/are: a)⊠ accepted or b) objected to by the Examiner.
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)[The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.
Priority u	nder 35 U.S.C. § 119
12) 🔲 .	Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a)[☐ All b) ☐ Some * c) ☐ None of:
	 Certified copies of the priority documents have been received.
	 Certified copies of the priority documents have been received in Application No
	3. Copies of the certified copies of the priority documents have been received in this National Stage
	application from the International Bureau (PCT Rule 17.2(a)).
* 8	iee the attached detailed Office action for a list of the certified copies not received.
Attachmen	t(s)

- 1) Notice of References Cited (PTO-892)
- Notice of Draftsperson's Patent Drawing Review (PTO-948)
- Information Discissure Statement(s) (PTO/S5/08)
 - Paper No(s)/Mail Date 12/06/06

- 4) Interview Summary (PTO-413)
- Paper No(s)/Mail Date. ___ 5) Notice of Informal Patent Application
- 6) Other: ___

Application/Control Number: 10/542,600 Page 2

Art Unit: 3768

DETAILED ACTION

Claim Objections

1. Claims 1-62 are objected to because of the following informalities: claim 1 should be amended to replace the phrases "first, target, region" and "second, reference, region" with - - first target region - - and -- second reference region - -, respectively; claim 5 recites the phrase "dependence on ratios" while claim 6 recites the phrase "dependence on only ratios" - it is suggested that Applicant amend one of these phrases in order to provide consistency throughout the claims; the term "wavelength" in line 2 of claims 11, 18 and 37 should be amended to read - - wavelengths - -; it appears that claim 19 should be dependent upon claim 13 in order to provide proper antecedent basis for the recitations of first and second layers in the claims dependent upon claim 19. Appropriate correction is required.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 9, 37 and 45 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 9 recites the limitation "the implant" in line 3. There is insufficient antecedent basis for this limitation in the claim. Claim 37 recites the limitation "choosing the wavelengths" in line 1. There is insufficient antecedent basis for this limitation in the claim as no prior method step of choosing wavelengths is recited. Claim 45 recites the limitation "the function" in lines 1-2. There is insufficient antecedent basis for this recitation in the claim.

Application/Control Number: 10/542,600 Page 3

Art Unit: 3768

Claim Rejections - 35 USC § 101

4 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and

requirements of this title.

5. Claims 1-62 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-

statutory subject matter. In order for a method claim to qualify as statutory subject matter, the method

claim must (1) be tied to another statutory class (such as a particular apparatus) or (2) transform

underlying subject matter (such as an article or materials) to a different state or thing. As neither of these

requirements is met by method claims 1-62 of the current invention, claims 1-62 are considered to be non-

statutory subject matter. To qualify as statutory subject matter, the claims should either positively recite

the other statutory class (the thing or product) to which it is tied, for example by identifying the apparatus

that accomplishes the method steps, or the claims should positively recite a transformation of the

underlying subject matter.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 9-11 and 53-60 are rejected under 35 U.S.C. 102(b) as being anticipated by Clift'548

(cited by Applicant).

7.

Figures 9 and 10 of Clift'548 disclose a method of assaying glucose in a natural region of a body

part (see ABSTRACT), the method comprising: illuminating a body part with at least one pulse of light at

each of first and second wavelengths that stimulates photoacoustic waves in a first target region (chamber

15) and a second reference region (chamber 15a) of the body part (page 4, lines 8-20 and page 7, lines 25-

Art Unit: 3768

27), wherein the reference region interfaces with the target region (transducer 14 which senses pressure is between chambers 15 and 15a and therefore the regions interface), and wherein the reference region has at least one known optoacoustic property (page 4, line 8 – page 5 line 3 indicates that experimentally derived constants are based on known optoacoustic properties of interfering components, the properties which are well known in the art); sensing pressure in the photoacoustic waves from the target and reference regions (page 7, lines 20-29); and using the sensed pressures and the at least one known optoacoustic property to assay glucose in the target region (page 6, lines 12-20). Regarding claims 53-56, Clift'578 discloses choosing a second reference wavelength that is targeted toward measuring the absorption and scattering measurements related to an interfering component (page 4, lines 8-20), wherein water is one of the interfering components (page 4, lines 23-25).

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. While Caro'002 (USPN 5,348,002), Chou'821 (USPN 5,941,821), Oracvsky et al.'069 (USPN 6,405,069), Geva et al.'806 (USPN 6,466,806) and Lilienfeld-Toal'044 (USPN 6,484,044) each disclose a method of assaying glucose in a natural region of a body part by measuring photoacoustic waves arising from a photoacoustic effect, and Walker et al.'958 (USPN 6,690,958), Sfez et al.'653 (USPN 6,738,653) and Nagar et al.'288 (USPN 6,846,288) each disclose a method of assaying an analyte in a natural region of a body part by using a photoacoustic measurement, none of the prior art teaches or suggests, either alone or in combination, an artificial implant as a reference region or determining a concentration of an analyte based on a function having dependence on pressures only through ratios of pressures, in combination with the other claimed steps.

Application/Control Number: 10/542,600 Page 5

Art Unit: 3768

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to ETSUB D. BERHANU whose telephone number is (571)272-6563. The examiner can

normally be reached on Monday - Friday (7:00 - 3:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian

Casler can be reached on (571)272-4956. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free), If you would like assistance from a USPTO Customer

Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR

CANADA) or 571-272-1000.

/Eric F Winakur/

Primary Examiner, Art Unit 3768

EDB